

WHAT IS CLAIMED IS:

1. A CDMA receiver, comprising:

a first data path for correlating an incoming CDMA signal, located within a scanned signal window, with a locally generated signal;

5 a second data path for verifying the incoming CDMA signal, located within the scanned signal window, against a lock signal, the second data path determining whether the incoming CDMA signal has at least one characteristic which differentiates the incoming CDMA signal from an auto-correlated signal or a cross-correlated signal; and

means for inputting a second incoming CDMA signal to the first data path if the incoming CDMA signal lacks the at least one characteristic.

10 2. The CDMA receiver of claim 1, wherein the means for inputting the second CDMA

signal to the first data path is selected from a group comprising: means for continuing to search the scanned signal window for a second incoming CDMA signal if the incoming CDMA signal lacks the at least one characteristic, and means for directly inputting the second CDMA signal into the first data path.

15 3. The CDMA receiver of claim 2, wherein the first data path, the second data path,

20 and the means for continuing to search are located on a single integrated circuit.

4. The CDMA receiver of claim 3, wherein the CDMA receiver is a Global Positioning System (GPS) receiver.

5. The CDMA receiver of claim 4, further comprising a cellular telephone transceiver.

6. The CDMA receiver of claim 5, wherein the at least one characteristic comprises a predetermined signal strength of the incoming CDMA signal.

7. The CDMA receiver of claim 5, wherein the at least one characteristic is a predetermined Signal-to-Noise Ratio (SNR) of the incoming CDMA signal.

8. The CDMA receiver of claim 5, wherein the at least one characteristic comprises a correlation to a different satellite code being stronger than the correlation to a desired satellite code.

9. The CDMA receiver of claim 5, wherein the at least one characteristic comprises a correlation to a different delay of the incoming CDMA signal being stronger than the correlation to the first data path's locally generated code delay.

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10. The CDMA receiver of claim 5, wherein the at least one characteristic is at least two characteristics selected from a group comprising: a predetermined signal strength of the incoming CDMA signal, a predetermined Signal-to-Noise Ratio (SNR) of the incoming CDMA signal, a correlation to a different satellite code being stronger than the correlation to a desired satellite code,
5 and a correlation to a different delay of the incoming CDMA signal being stronger than the correlation to the first data path's locally generated code delay.

11. The CDMA receiver of claim 10, wherein the first data path is controlled by a first central processing unit (CPU), and the second data path is controlled by a second CPU.

TODAY'S DATE: 10/06/2010

12. A cellular telephone including a GPS receiver, comprising:
a cellular telephone transceiver for transmitting and receiving cellular telephone
signals;
a Global Positioning System (GPS) receiver, coupled to the cellular telephone
transceiver, comprising:
a first data path for correlating an incoming GPS signal, located within a
scanned signal window, with a locally generated signal;
a second data path for verifying the incoming GPS signal, located within the
scanned signal window, against a lock signal, the second data path determining
whether the incoming GPS signal has at least one characteristic which differentiates
the incoming GPS signal from an auto-correlated signal and a cross-correlated signal;
and
a data path executive for monitoring the first data path and, when the
incoming GPS signal does not contain the at least one characteristic, for continuing
to search the scanned signal window for a second incoming GPS signal.

13. The cellular telephone of claim 12, wherein the at least one characteristic comprises a
predetermined signal strength of the incoming CDMA signal.

20 14. The cellular telephone of claim 12, wherein the at least one characteristic is a
predetermined Signal-to-Noise Ratio (SNR) of the incoming CDMA signal.

15. The cellular telephone of claim 12, wherein the at least one characteristic is selected from a group comprising: a predetermined signal strength of the incoming CDMA signal, a predetermined Signal-to-Noise Ratio (SNR) of the incoming CDMA signal, a correlation to a different satellite code being stronger than the correlation to a desired satellite code, and a 5 correlation to a different delay of the incoming CDMA signal being stronger than the correlation to the first data path's locally generated code delay.

16. The cellular telephone of claim 12, wherein the cellular transceiver and the GPS receiver are located on a single integrated circuit.

17. The cellular telephone of claim 16, wherein the at least one characteristic is a predetermined signal strength of the incoming GPS signal.

18. The cellular telephone of claim 16, wherein the at least one characteristic is a predetermined Signal-to-Noise Ratio (SNR) of the incoming GPS signal.

19. The cellular telephone of claim 16, wherein the at least one characteristic is at least two characteristics selected from a group comprising: a predetermined signal strength of the incoming CDMA signal, a predetermined Signal-to-Noise Ratio (SNR) of the incoming GPS signal, 20 and a predetermined amount of data present on the incoming GPS signal.

20. The cellular telephone of claim 19, wherein the cellular telephone transceiver and the GPS receiver share a central processing unit.